

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 February 2001 (15.02.2001)

PCT

(10) International Publication Number
WO 01/10584 A1

(51) International Patent Classification⁷: B22D 35/04,
41/50, C22B 21/06

(21) International Application Number: PCT/GB00/02951

(22) International Filing Date: 4 August 2000 (04.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9918350.1 5 August 1999 (05.08.1999) GB

(71) Applicant (*for all designated States except US*): PY-
ROTEK ENGINEERING MATERIALS LIMITED
[GB/GB]; Garamonde Drive, Wymbush, Milton Keynes
MK8 8LN (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): VINCENT, Mark
[GB/GB]; 19 Hydrus Drive, Lieghton Buzzard LU7 8UL
(GB). TREMBLAY, Sylvain [CA/CA]; 3824 De Vienne,
Jonquiere, Quebec G7X-9S3 (CA).

(74) Agent: RAYNOR, Simon, Mark; Urquhart-Dykes &
Lord, Midsummer House, 411C Midsummer Boulevard,
Central Milton Keynes, Buckinghamshire MK9 3BN
(GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

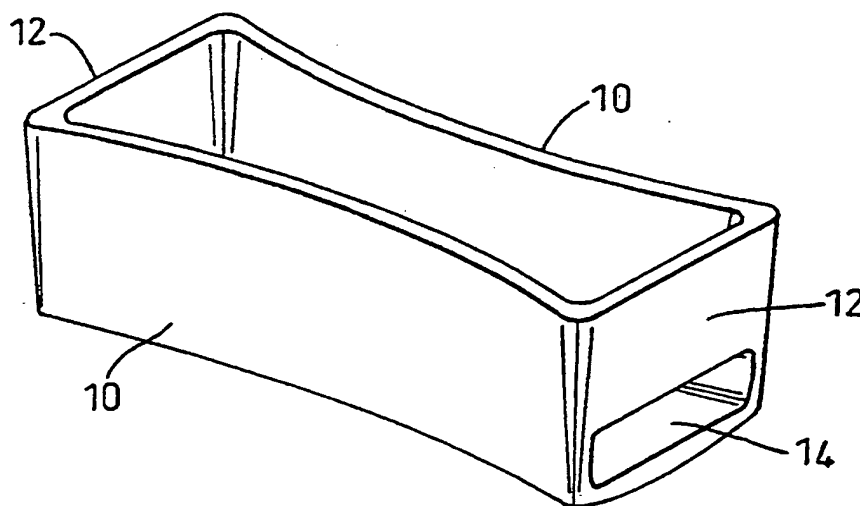
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- With amended claims.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DISTRIBUTOR DEVICE FOR USE IN METAL CASTING



(57) Abstract: A distributor device for use in aluminium casting includes a rigid, substantially bowl-shaped receptacle (2) of a refractory material having a base member (4) and a peripheral wall (6) that extends upwards from the base. The receptacle has an inlet opening (8) towards the upper end thereof and a pair of outlet openings (14) towards the base thereof. The device is constructed and arranged such that, in use, molten aluminium poured into the distributor device through the inlet opening (8) is redirected by the distributor device and flows outwards into the mould through the outlet openings (14).



WO 01/10584 A1